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| <b>A. CLASSIFICATION OF SUBJECT MATTER</b><br>IPC 7 B29C45/42 B29B11/08 B29C45/72 B29C49/42  |  |                       |
| According to International Patent Classification (IPC) or to both national classification and IPC  |  |                       |
| <b>B. FIELDS SEARCHED</b>  |  |                       |
| Minimum documentation searched (classification system followed by classification symbols)<br>IPC 7 B29C B29B   |  |                       |
| Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  |  |                       |
| Electronic data base consulted during the international search (name of data base and, where practical, search terms used)<br>EPO-Internal, WPI Data, PAJ  |  |                       |
| <b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>  |  |                       |
| Category *   | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
| Y.   | EP 1 106 324 A (INTER TOOLING SERVICES BV)<br>13 June 2001 (2001-06-13)<br>paragraphs '0001!', '0021! - '0025!,<br>'0027!', '0034!   | 1-10                  |
| Y  | US 6 391 244 B1 (CHEN JINCHENG)<br>21 May 2002 (2002-05-21)<br>column 1, line 1 - line 12<br>column 2, line 53 - line 67<br>column 5, line 23 - line 35<br>column 6, line 7 - line 14                      | 1-10                  |
| A  | US 2003/003187 A1 (CORAN MASSIMO ET AL)<br>2 January 2003 (2003-01-02)<br>cited in the application<br>paragraphs '0001!', '0025! - '0030!,<br>'0037! - '0043!, '0051! - '0057!,<br>'0067!, '0088! - '0094! | 1,10                  |
| <input type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.   |  |                       |
| * Special categories of cited documents :<br><div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>*A* document defining the general state of the art which is not considered to be of particular relevance</p> <p>*E* earlier document but published on or after the international filing date</p> <p>*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>*O* document referring to an oral disclosure, use, exhibition or other means</p> <p>*P* document published prior to the international filing date but later than the priority date claimed</p> </div> <div style="width: 45%;"> <p>*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>* &amp; * document member of the same patent family</p> </div> </div> |  |                       |
| Date of the actual completion of the international search  | Date of mailing of the international search report   |                       |
| 10 January 2005  | 18/01/2005   |                       |
| Name and mailing address of the ISA  | Authorized officer   |                       |
| European Patent Office, P.B. 5818 Patentlaan 2<br>NL - 2280 HV Rijswijk<br>Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,<br>Fax: (+31-70) 340-3016  | Ingelgard, T.  |                       |

| Patent document<br>cited in search report |    | Publication<br>date | Patent family<br>member(s) | Publication<br>date |
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